

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5118 - L2 Version 002
Chandra X-Ray Center

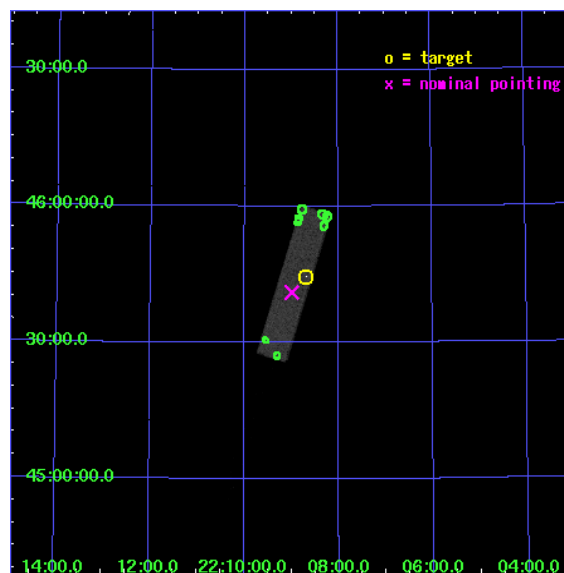
L2 Processing Date : Apr 10 2006

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1 Front

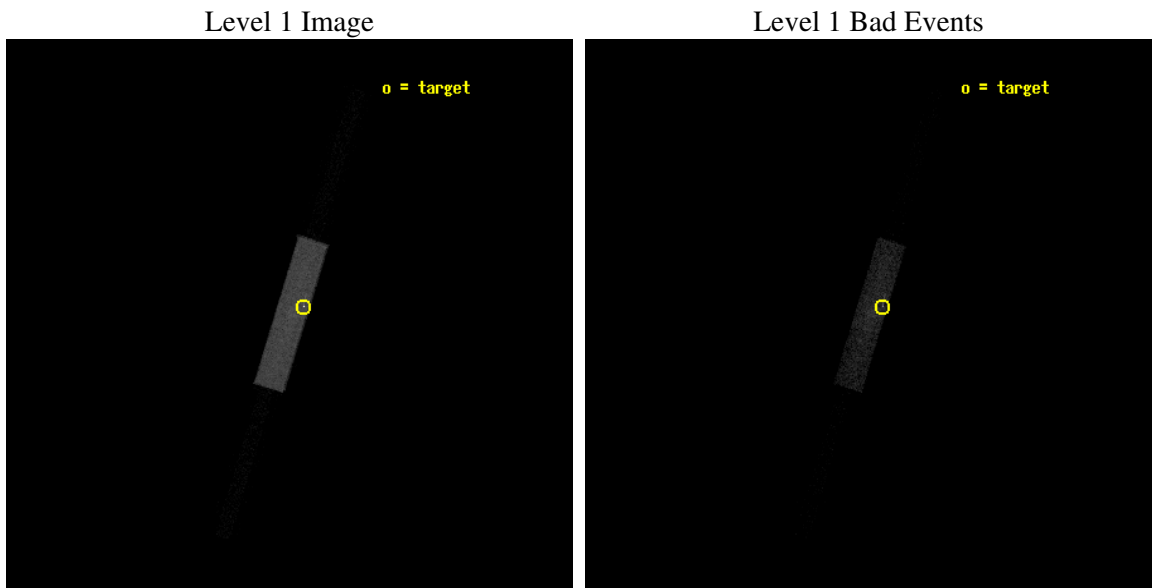
seq_num	290391
obs_id	5118
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain
observer	Dr. CXC Calibration
object	ArLac
ra_targ	332.17
dec_targ	45.742306
ra_nom	332.24708606924
dec_nom	45.684190360592
roll_nom	287.03758883602
revision	2
ontime	1052.931297332
livetime	1046.0799746026
l2events	43946



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-10T21:09:30
revision	2

sched_exp_time	900.000000
ontime	1082.656298697
l1events	78222

2.1.3 Events

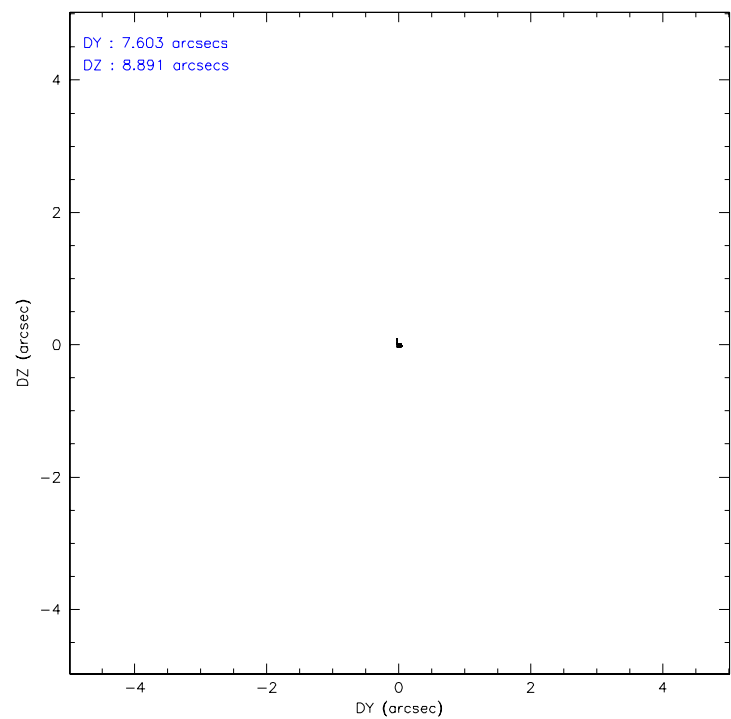
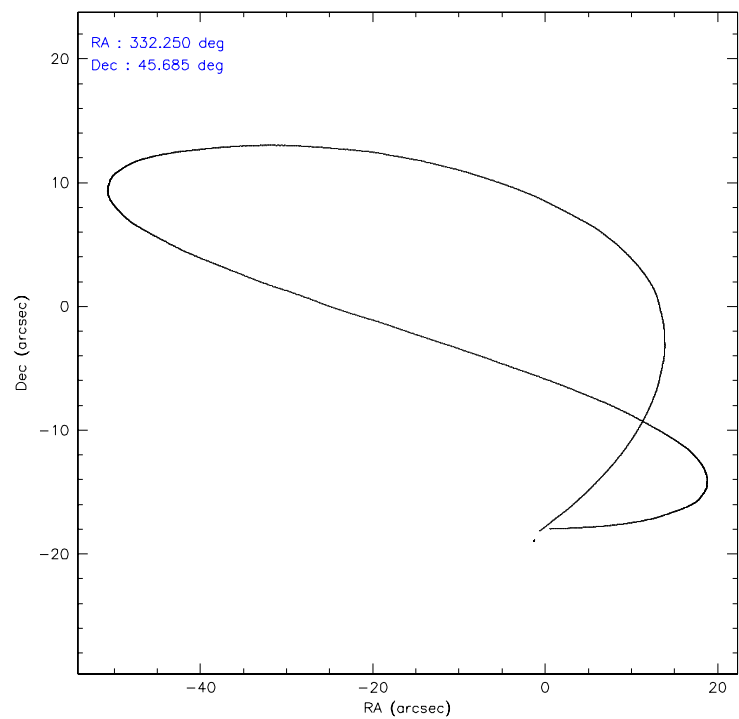
Level 1 Events

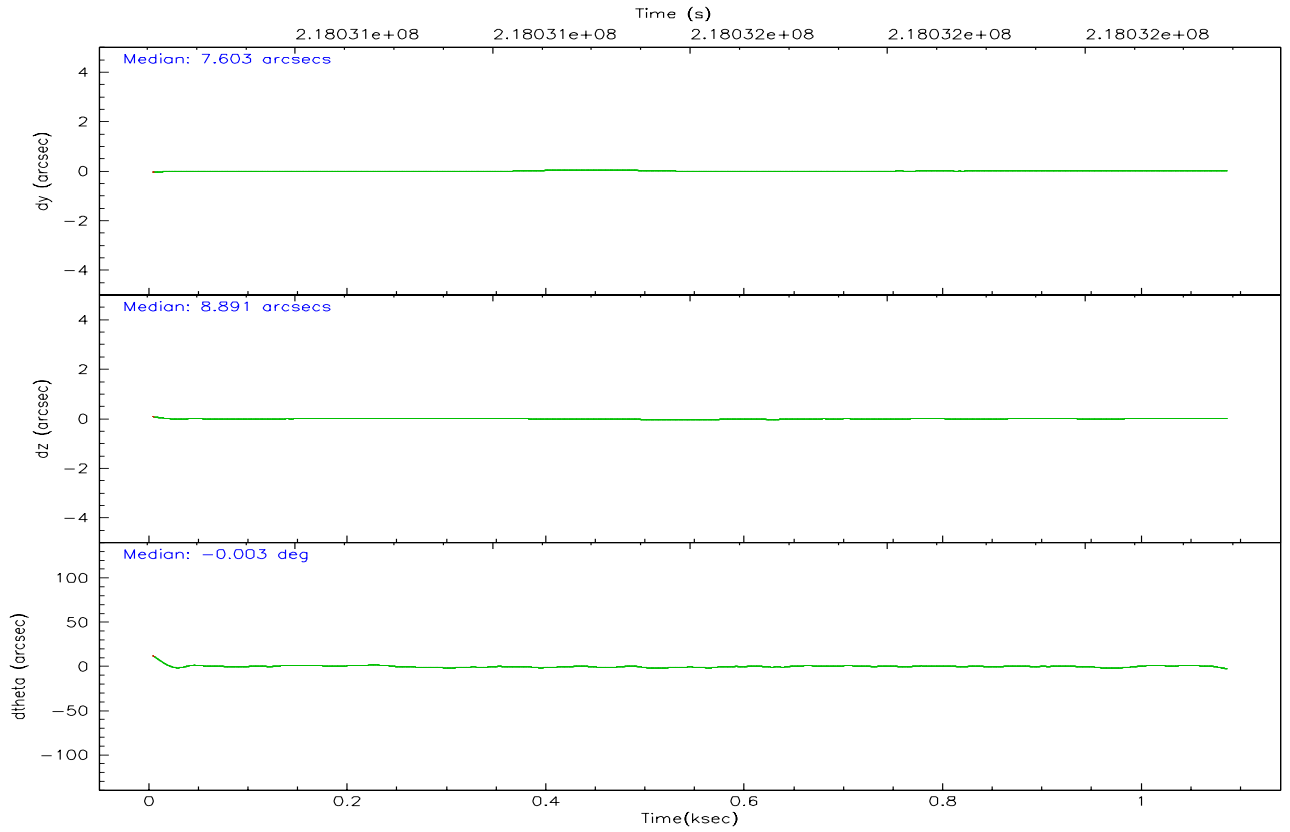
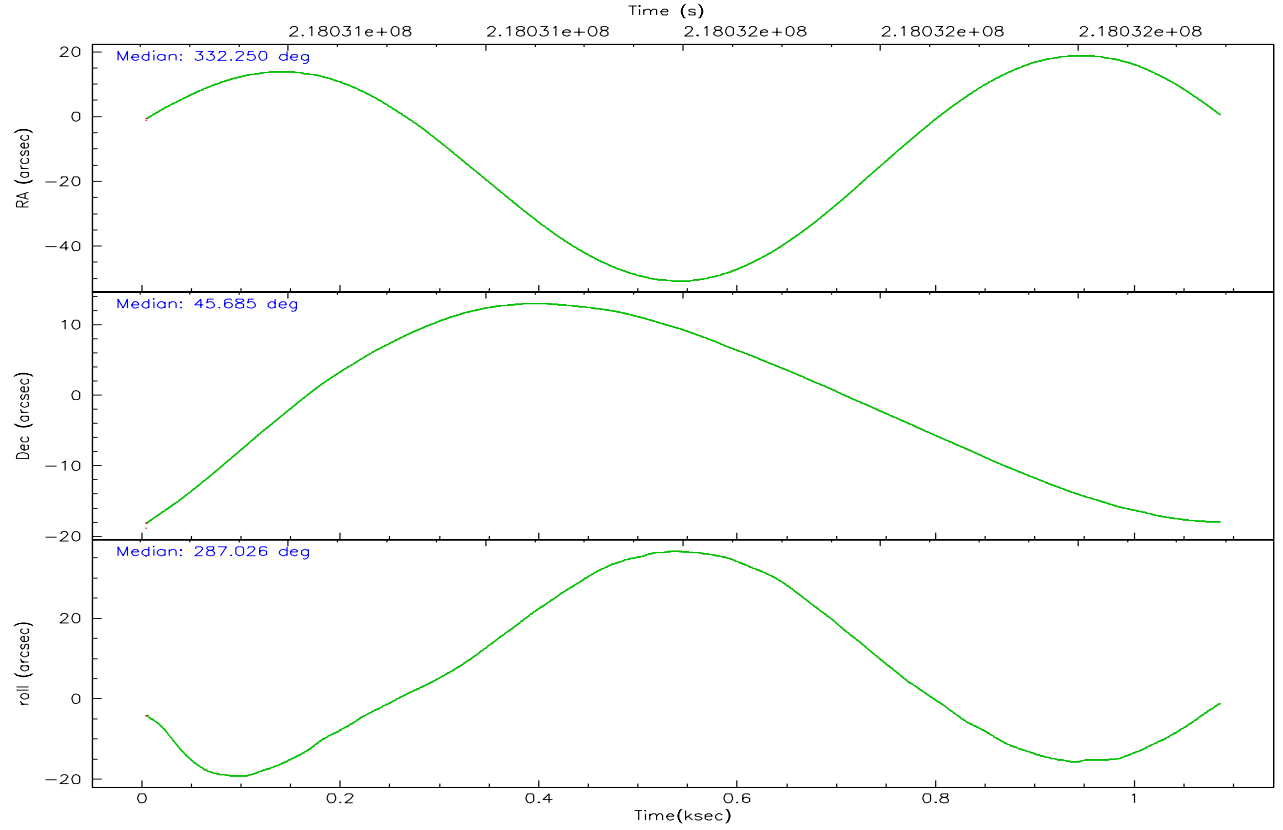
	segment 1	segment 2	segment 3
level 1 events	688	76799	735
rejected events	688	29574	717
rejected %	100%	38%	97%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	332.214036	332.2470860692418			
Pointing Dec	45.702214	45.68419036059156			
Pointing Roll	286.993912	287.0375888360172			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	218031243.184000	218030866.73174			
Observation start date	2004-11-28T12:12:59	2004-11-28T12:07:46			
Observation end time	218032143.184000	218032276.61931			
Observation end date	2004-11-28T12:27:59	2004-11-28T12:31:16			

2.3 Aspect



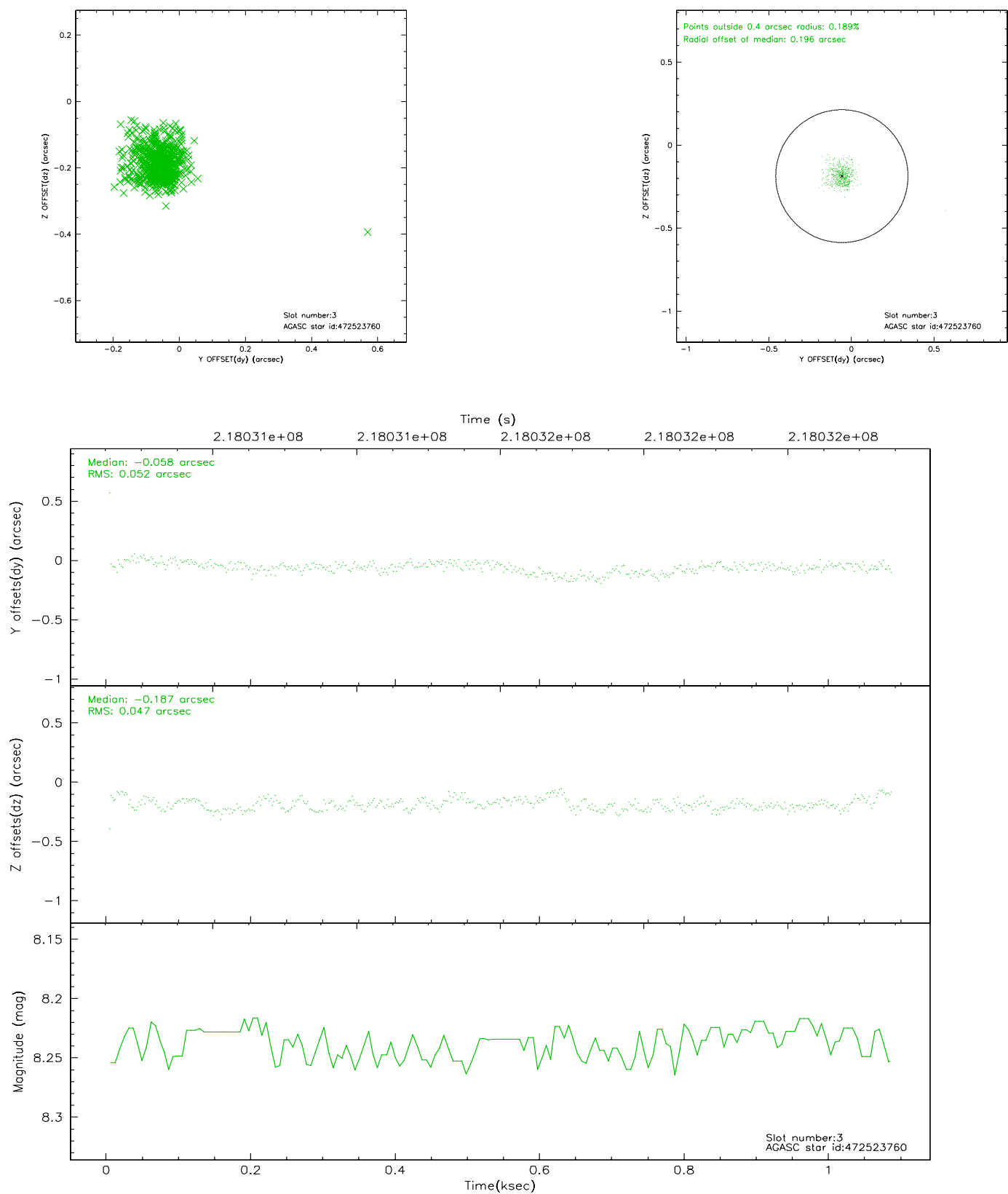


Slot Statistics

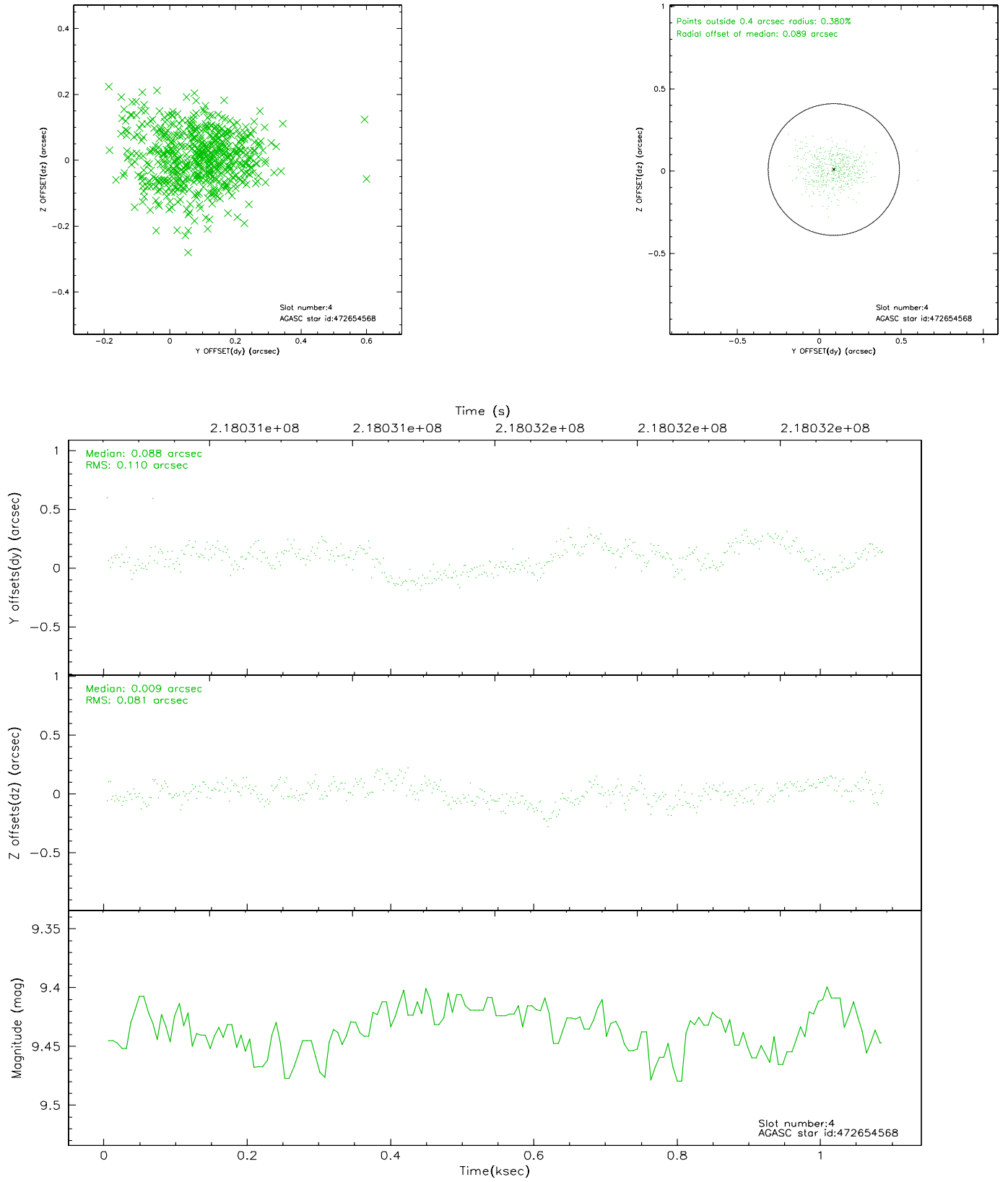
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	264	0.108	-0.170	0.006	0.008	0.000000	0.000000	-1161.80	-457.55
1	FID	HRC-S-3	7.04	264	0.056	-0.036	0.007	0.012	0.000000	0.000000	-1168.97	570.38
2	FID	HRC-S-4	7.01	265	0.223	-0.091	0.005	0.008	0.000000	0.000000	1232.17	576.77
3	GUIDE	472523760	8.24	529	-0.058	-0.187	0.065	0.115	331.645363	45.403260	604.96	-1692.22
4	GUIDE	472654568	9.43	526	0.088	0.009	0.144	0.234	332.194449	45.063576	2186.05	-726.76
5	GUIDE	472655152	9.44	529	0.020	0.073	0.103	0.165	332.504239	45.862991	-337.66	859.56
6	GUIDE	472659832	9.46	529	-0.073	0.069	0.102	0.185	332.780399	46.098139	-955.28	1767.27
7	GUIDE	472527720	7.00	528	0.022	0.030	0.116	0.185	331.460205	45.112509	1461.09	-2450.20

2.4 Star Slots

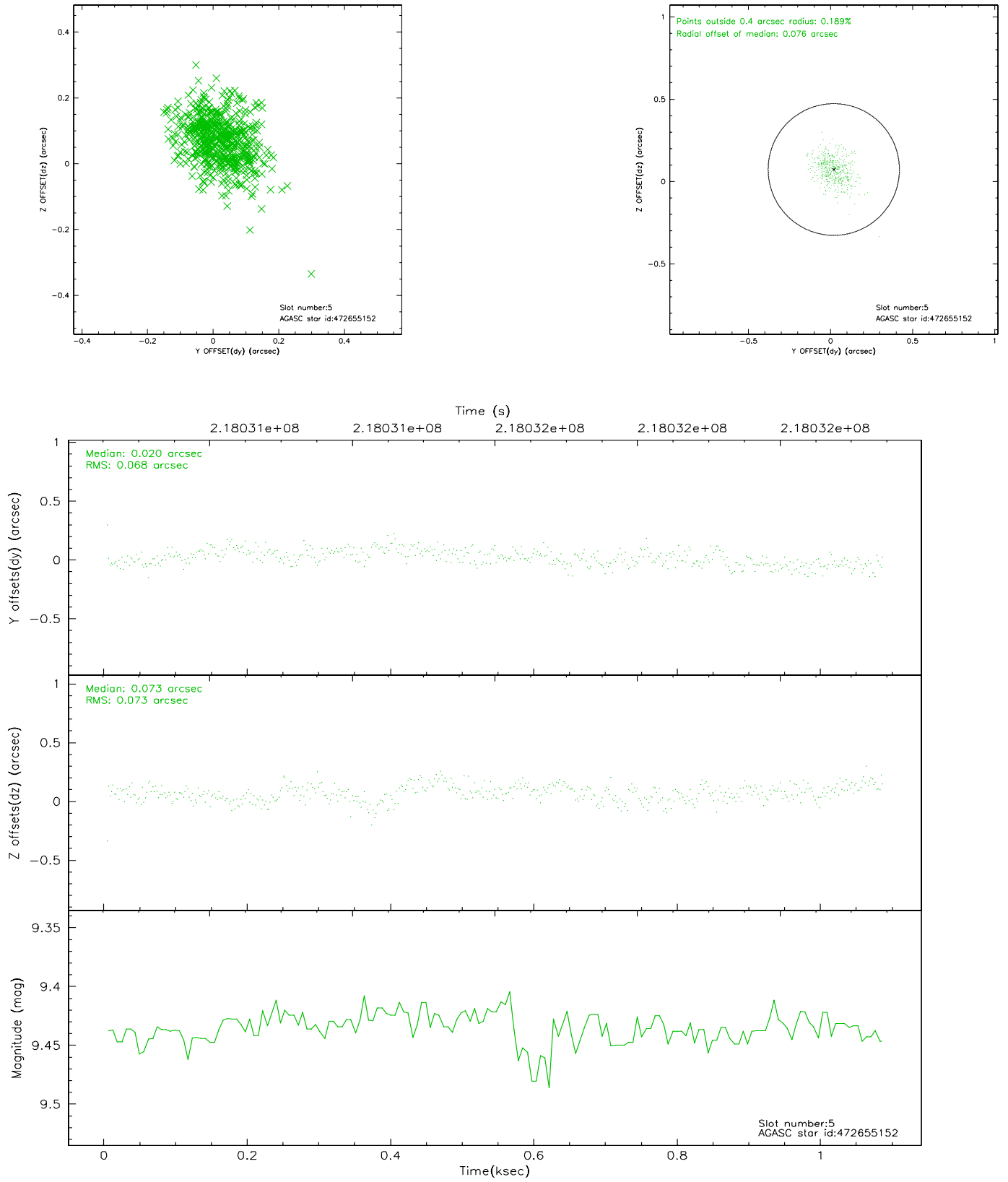
2.4.1 Slot 3



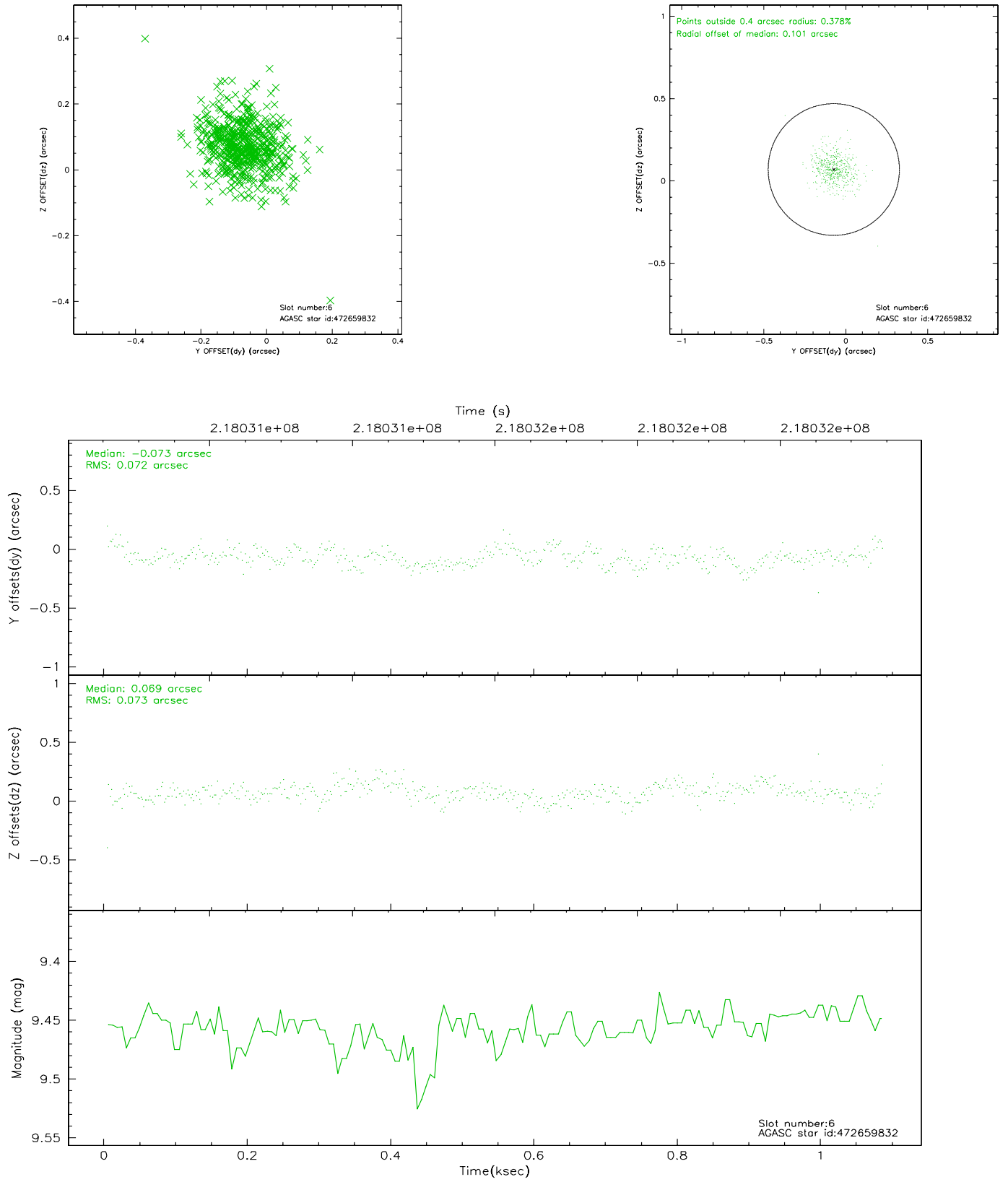
2.4.2 Slot 4



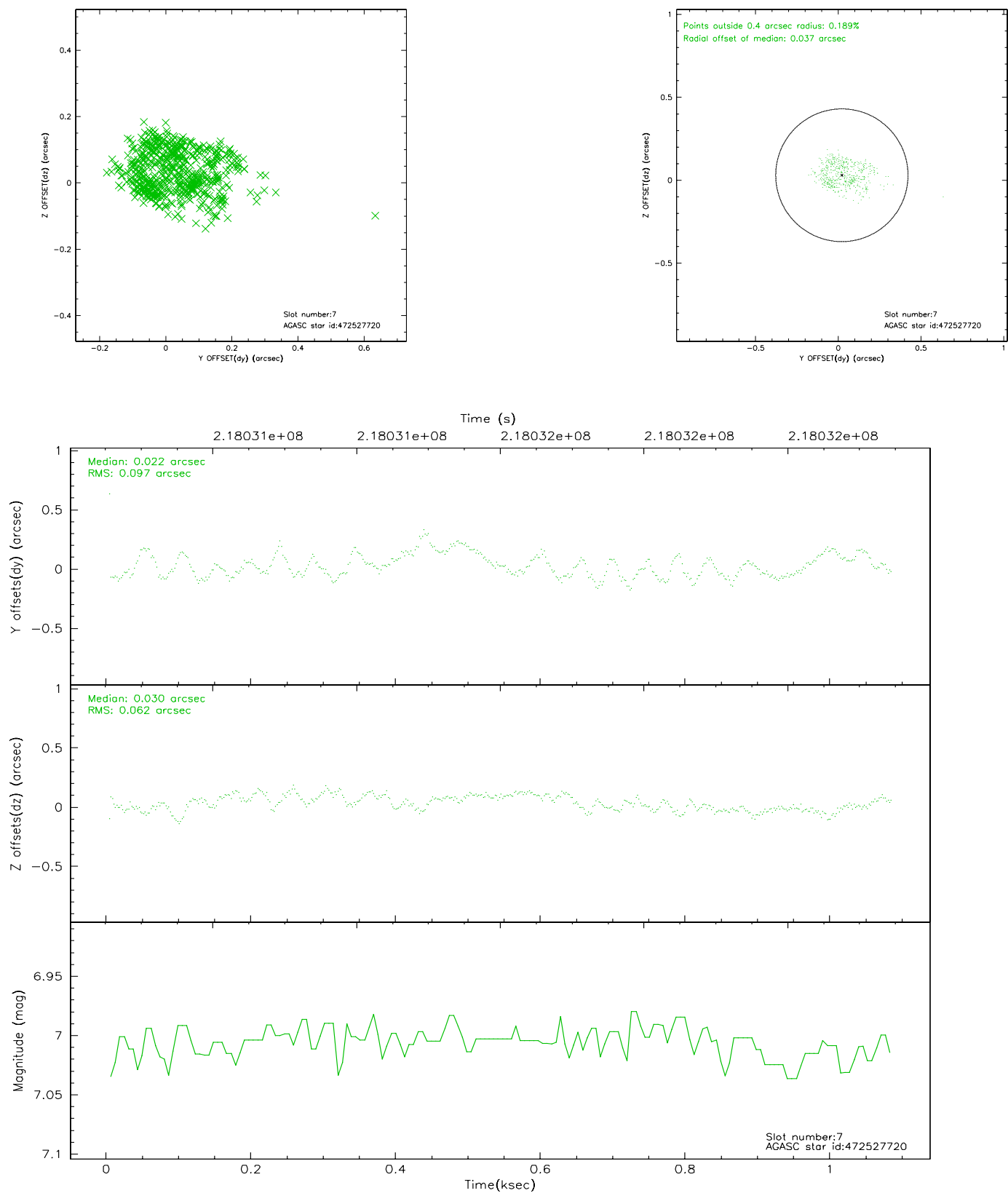
2.4.3 Slot 5



2.4.4 Slot 6

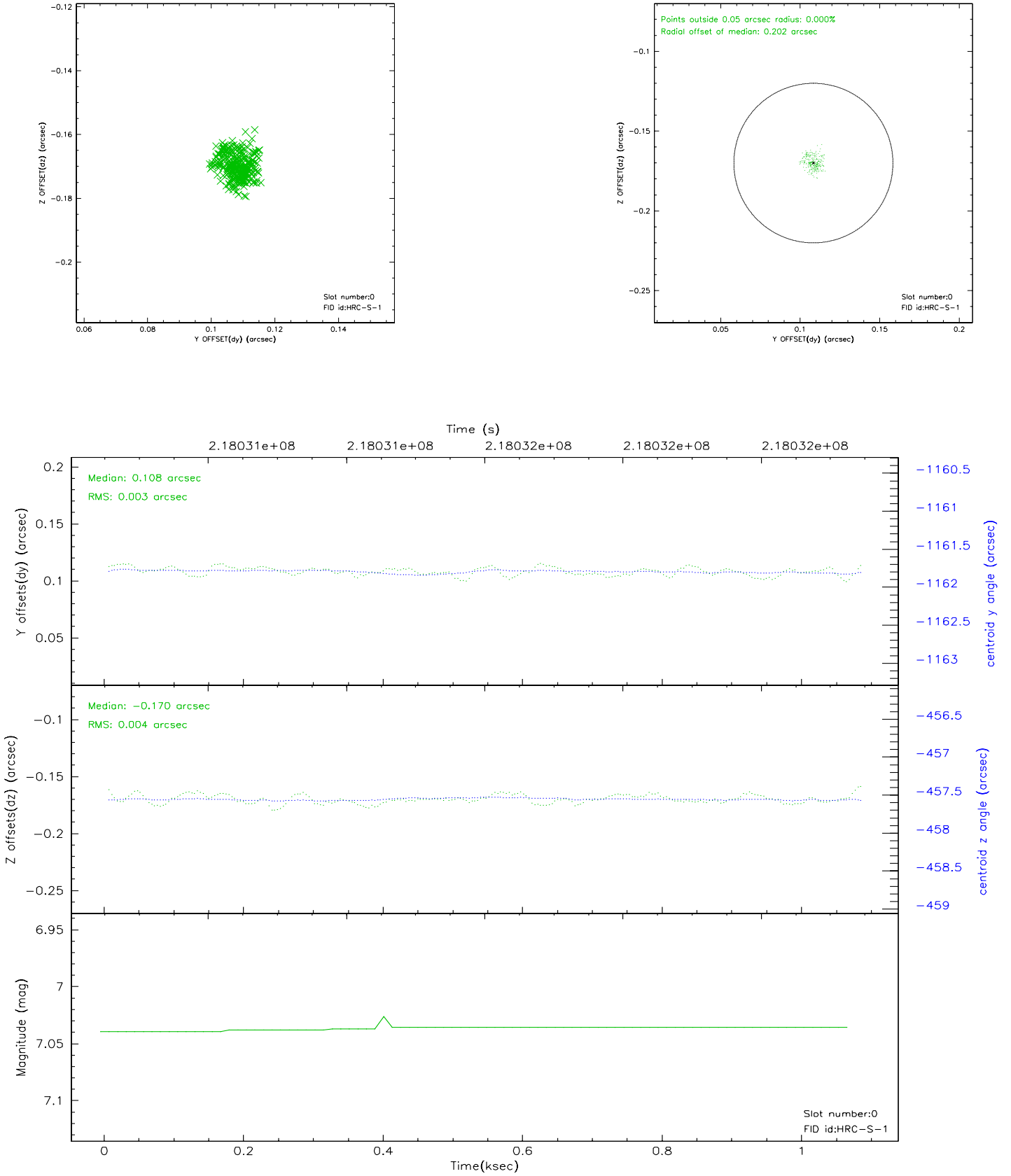


2.4.5 Slot 7

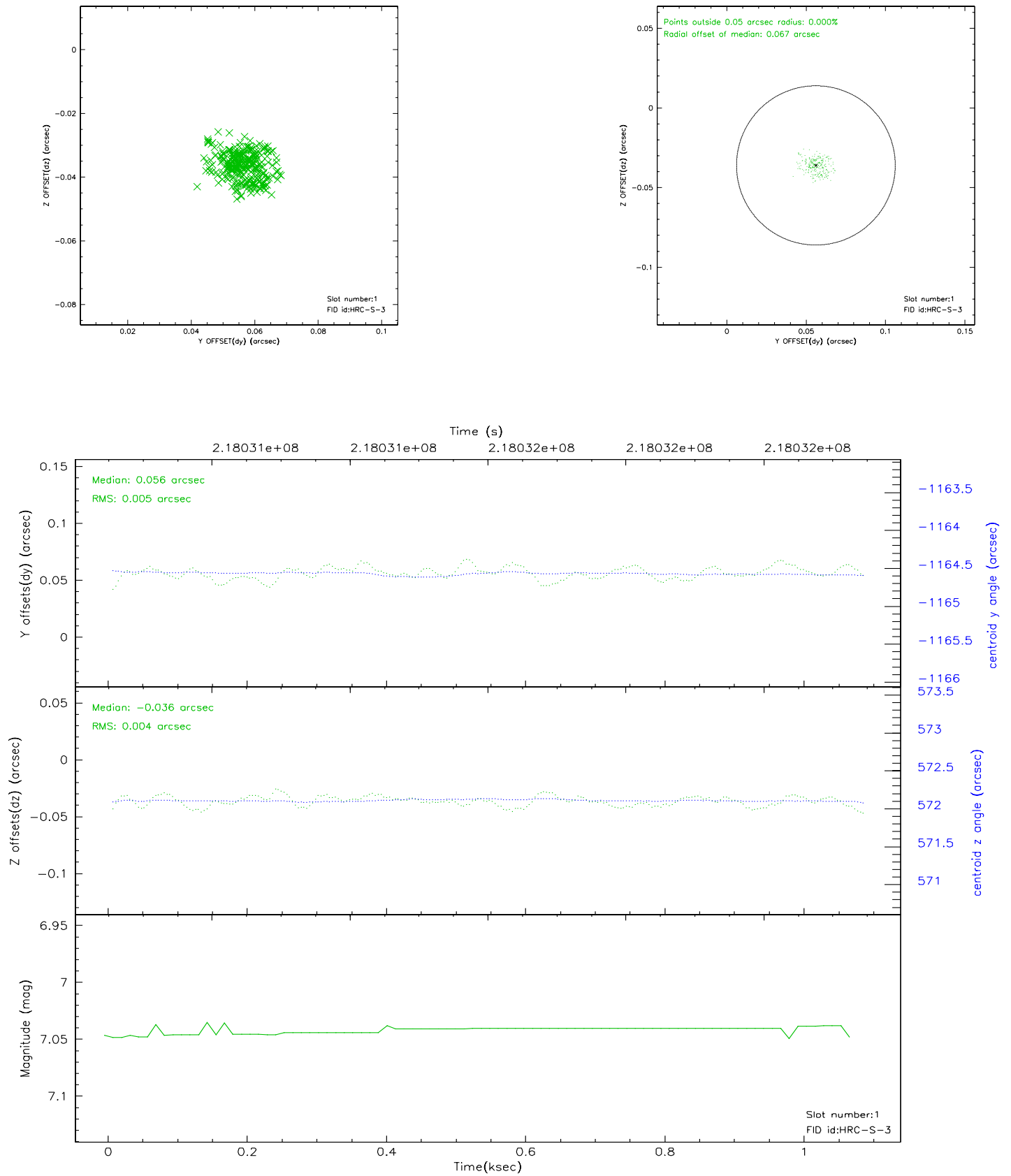


2.5 FID Slots

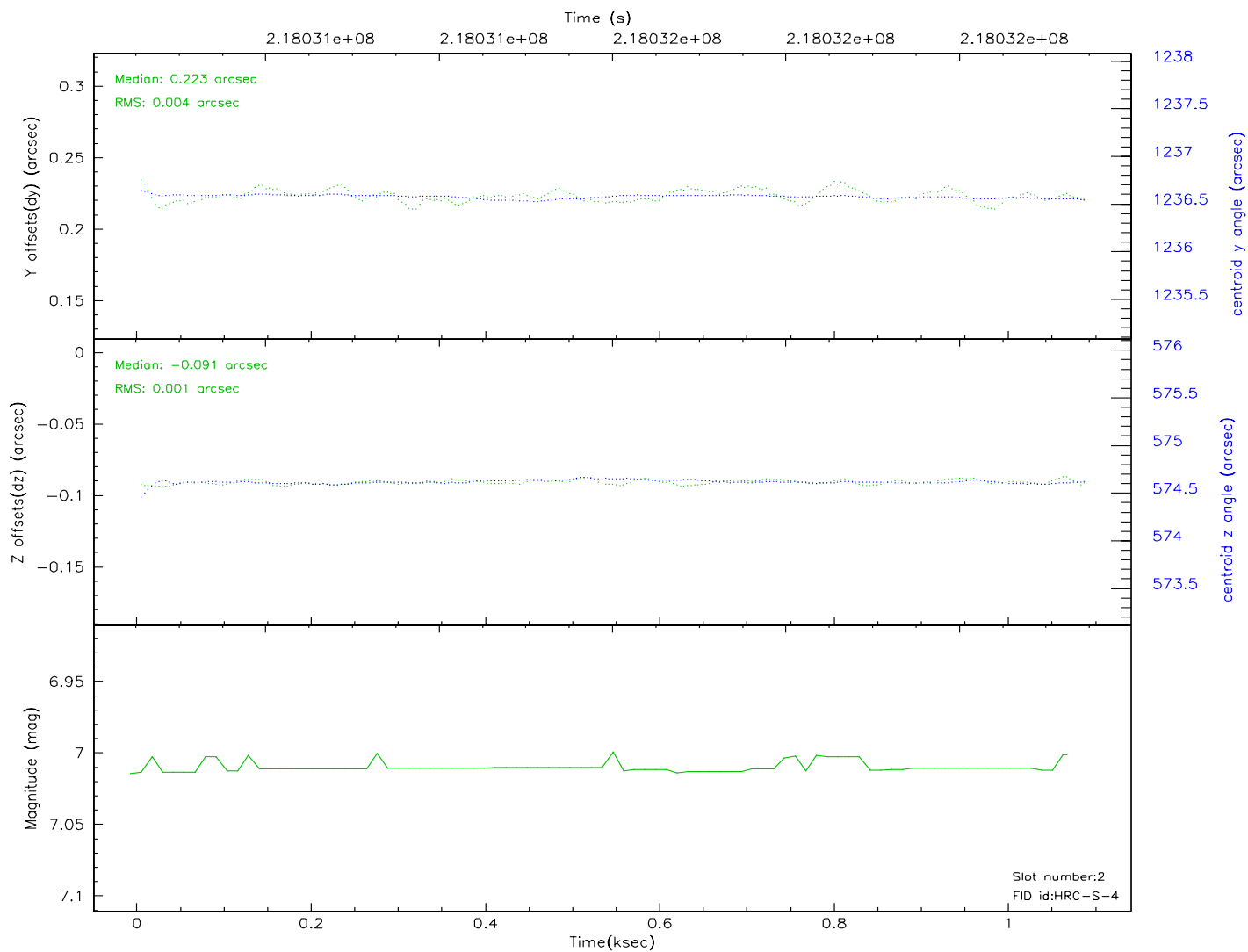
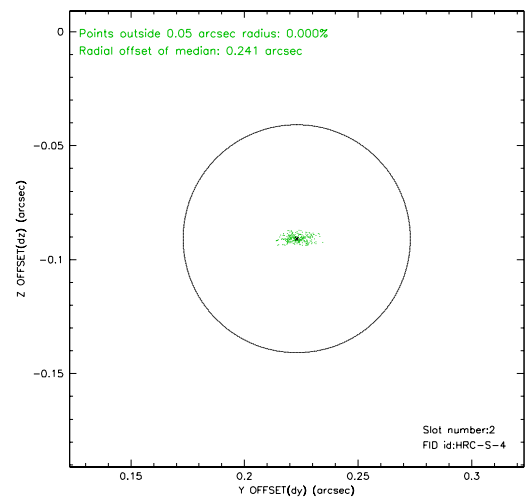
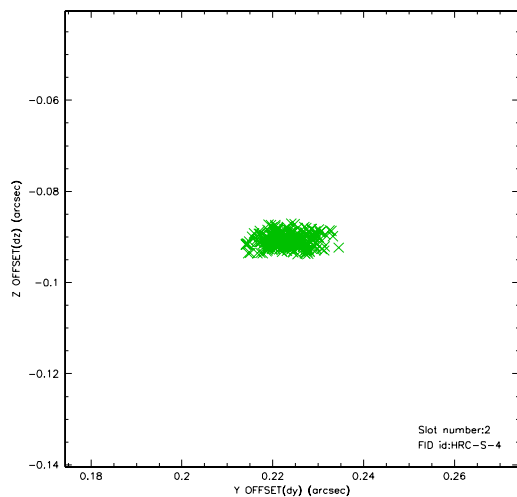
2.5.1 Slot 0



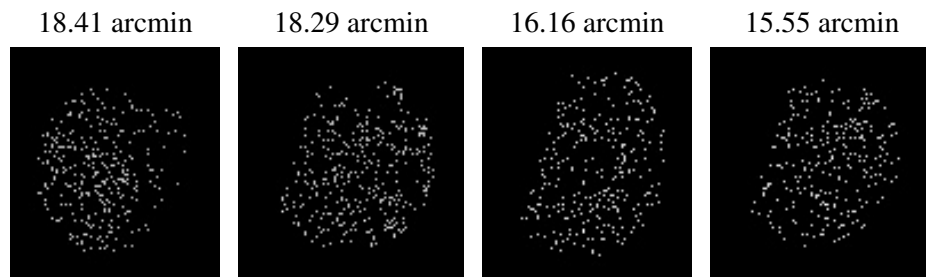
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.052931

A.2 Comments

The keywords DTCOR, EXPOSURE, and LIVETIME in the Level 2 event file and the

keyword DTCOR in the Level 1 event file have been incorrectly determined due to a software bug. The correct value of DTCOR can be found in the file DTFSTATS file that can be obtained by downloading the secondary data products. In most cases, the difference between the correct DTCOR value and the incorrect DTCOR value in the Level 2 event file is very small and does not affect the data analysis. However, there are cases of significant differences and the user is advised to use the DTCOR in the DTFSTATS file for analysis. Corrected data products will be made available in the archive as soon as feasible.